

# SAFETY DATA SHEET

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H<sub>2</sub>SO<sub>4</sub>

## SECTION 1 IDENTIFICATION

**MYRON L® COMPANY** 2450 IMPALA DRIVE, CARLSBAD, CA 92010

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BUSINESS HOURS: Monday through Friday 7:00-3:30 p.m. (Pacific Time)

This and additional Myron L Safety Data Sheets (SDS) are available on the World Wide Web at: <http://www.myronl.com>

**PRODUCT:** Sulfuric Acid Alkalinity Solution

**CATALOG NUMBERS:** Reagent: A1 H<sub>2</sub>SO<sub>4</sub>-1 2OZ./QT., 9PTKA, PS9TKA

## SECTION 2 HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

THIS LOW CONCENTRATION SOLUTION MAY CAUSE IRRITATION AND BURNS. CAUTION, HANDLE WITH CARE.

### POTENTIAL HEALTH EFFECTS

**EFFECTS OF OVEREXPOSURE:** IRRITANT AND MAY CAUSE BURNS TO EYES AND SKIN. MAY CAUSE GASTROINTESTINAL IRRITATION.

**ROUTES OF ENTRY:** INGESTION AND SKIN. INHALATION AND EYE CONTACT.

**CARCINOGENICITY:** MATERIAL IS NOT LISTED (IARC, NTP, OSHA) AS A CANCER CAUSING AGENT. CHRONIC EXPOSURE TO MISTS CONTAINING SULFURIC ACID, DEPENDING ON DURATION AND EXPOSURE LEVELS, IS A CANCER HAZARD.

### GHS Pictograms



#### CORROSION

- Skin Corrosion/Burns
- Eye Damage
- Corrosive to Metals



#### EXCLAMATION MARK

- Irritant •Skin Sensitizer
- Acute Toxicity •Narcotic Effects
- Respiratory Tract Irritant
- Hazardous to Ozone Layer

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

**CHEMICAL NAME:** Sulfuric Acid Solution

**TRADE NAME & SYNONYMS:** Sulfuric Acid ≤ 1%

**CHEMICAL FAMILY:** Inorganic Acid Solution

**CHEMICAL FORMULA:** H<sub>2</sub>SO<sub>4</sub> in H<sub>2</sub>O

**CAS #:** Sulfuric Acid  
Water

#7664-93-9  
#7732-18-5

## SECTION 4 FIRST-AID MEASURES

### FIRST AID PROCEDURES:

#### EYE CONTACT:

FLUSH WITH LARGE AMOUNTS OF WATER. SEEK MEDICAL ATTENTION.

#### SKIN CONTACT:

WASH SKIN THOROUGHLY WITH SOAP AND WATER. SEEK MEDICAL ATTENTION AS NEEDED.

#### INGESTION:

DRINK LARGE AMOUNT OF WATER. DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION.

## SECTION 5 FIRE-FIGHTING MEASURES

|                                  |   |                  |     |         |         |
|----------------------------------|---|------------------|-----|---------|---------|
| FLASH POINT (TEST METHOD)        | N/A   | FLAMMABLE LIMITS | N/A | LeI N/A | UeI N/A |
| EXTINGUISHING MEDIA              | DRY CHEMICAL, FOAM, OR CARBON DIOXIDE   |                  |     |         |         |
| SPECIAL HAZARDS & PROCEDURES     | WEAR SELF-CONTAINED BREATHING APPARATUS AND SPECIAL PROTECTIVE CLOTHING.  |                  |     |         |         |
| UNUSUAL FIRE & EXPLOSION HAZARDS | MAY REACT VIOLENTLY WITH WATER. MAY REACT WITH METALS TO PRODUCE HYDROGEN GAS. MAY IGNITE COMBUSTIBLE MATERIALS. MAY EMIT TOXIC FUMES OF SULFUR OXIDES. |                  |     |         |         |

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** VENTILATE AREA OF LEAK OR SPILL. NEUTRALIZE WITH SODA ASH OR LIME. ABSORB WITH VERMICULITE OR OTHER INERT MATERIAL SUCH AS SAND OR EARTH. CONTAINERIZE FOR LATER DISPOSAL.

## SECTION 7 HANDLING AND STORAGE

**HANDLING:** NORMAL USE DOES NOT GENERATE A HAZARDOUS SITUATION WHEN HANDLED IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.

**STORAGE:** STORE IN A COOL DRY AREA. KEEP OUT OF DIRECT SUNLIGHT AWAY FROM HEAT AND INCOMPATIBLE MATERIALS.

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## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**THRESHOLD LIMIT VALUE:** NONE KNOWN. NOT A SIGNIFICANT HAZARD AT THIS LOW CONCENTRATION.  
**RESPIRATORY PROTECTION:** RECOMMENDED FOR EXPOSURE TO HIGHER CONCENTRATIONS.  
AVOID DIRECTLY BREATHING CHEMICAL.  
**VENTILATION:** GENERAL ROOM VENTILATION IS ADEQUATE.  
**EYE PROTECTION:** RECOMMENDED SAFETY GLASSES.  
**PROTECTIVE GLOVES:** RECOMMENDED GENERAL PURPOSE GLOVES.  
**PROTECTIVE CLOTHING:** RECOMMENDED LAB COAT OR SAFETY APRON.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

|                               |           |   |                                  |
|-------------------------------|-----------|---|----------------------------------|
| BOILING POINT, 760 mm Hg (°C) | 100°C     | SPECIFIC GRAVITY                                | 1                                |
| FREEZE POINT (°C)             | NOT KNOWN | SOLUBILITY IN H <sub>2</sub> O, % BY WT. @ 20°C | 100%                             |
| VAPOR PRESSURE @ 20°C         | 17        | APPEARANCE AND ODOR                             | COLORLESS,<br>ODORLESS<br>LIQUID |
| VAPOR DENSITY                 | .6        |   |                                  |
| PERCENT VOLATILES BY VOLUME   | 100       | EVAPORATION RATE                                | N/A                              |
|                               |           | pH:   | ≤ 2                              |

## SECTION 10 STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>STABILITY:</b> Product stable under normal temperatures and pressures. | <b>CONDITIONS TO AVOID</b> Extreme heat, imcompatibles  |
| <b>REACTIVITY:</b> Incompatibles  | <b>MATERIALS TO AVOID</b><br>(N/A) <b>WATER</b> (N/A) <b>ACIDS</b> (N/A) <b>BASES</b><br>(N/A) <b>OTHER SPECIFY</b> Contact with strong alkali and metals. Avoid strong oxidizing and reducing agents and many other reactive substances. |
|   |   |

## SECTION 11 TOXICOLOGICAL INFORMATION

**TOXICITY DATA:** No data available.  
**TOXICOLOGICAL FINDING:** Strong mists containing sulfuric acid is a known human carcinogen. This applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid solutions.

## SECTION 12 ECOLOGICAL INFORMATION

**ECOTOXICITY:** No known significant effects or critical hazards.  
**OTHER ADVERSE EFFECTS:** Small quantities of acids will be neutralized by the alkalinity in aquatic ecosystems.

## SECTION 13 DISPOSAL CONSIDERATIONS

**EPA WASTE NO. AND DISPOSAL TREATMENT:**  
MATERIAL DOES NOT HAVE AN EPA WASTE NUMBER AND IS NOT A LISTED WASTE.  
**NOTE:** ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE AND ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

## SECTION 14 TRANSPORT INFORMATION

**DOT Shipping Name:**.....Non-Regulated. (Not meant to be all inclusive--selected regulation represented.)  
**DOT Number:**.....None  
**IATA/ICAO:**.....Not dangerous goods.

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**SECTION 15                      REGULATORY INFORMATION**

**TSCA INVENTORY:** THE CAS NUMBER OF THIS PRODUCT IS LISTED ON THE TSCA INVENTORY.

COMPONENT . . . . . N/A  
SARA EHS (302) . . . . . N/A  
SARA EHS TOQ (LBS) . . . . . N/A  
CERCLA RQ (LBS) . . . . . N/A  
OSHA FLOOR LIST . . . . . N/A  
SARA 313 . . . . . N/A  
DeMinimis for SARA 313 (%) . . . . . N/A

**SECTION 16                      OTHER INFORMATION**

**DISCLAIMER:** This information is believed to be accurate and represents the best information currently available to us; however, we make no warranty of merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from the use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and purposes.

**NFPA Hazard Ratings**  
Health: 1  
Flammability: 0  
Reactivity: 0  
Special Hazards: N/A

SDS APPROVED BY:

